



CT House of Representatives
Legislative Office Building
Hartford, CT 06106

March 15, 2011

Subject: Support for SB 1: An Act Concerning Connecticut's Energy Future

Most Distinguished Representative of the House and Senate,

I am writing today to underscore the importance of including hydrogen and fuel cells as part of Connecticut's comprehensive energy management strategy – in commercial, residential industrial and transportation sectors.

Currently, Connecticut leads globally in developing, manufacturing and deploying the advanced electrochemical technologies that define the path to a fossil-free, ultra-efficient, clean energy infrastructure. Global demand for indigenous Connecticut-based hydrogen and fuel cell technologies is ramping *now*. For example -within the next three weeks, Avālenē (OEM advanced electrolytic hydrogen generating equipment/fueling stations) will convene meetings at our Milford headquarters with three separate European business partners – 1) I am missing the meeting today with our marquis customer using hydrogen for transportation and looking to deploy our *Hydrofiller* fueling stations broadly in Europe, 2) an packager of CHP/clean energy systems looking to integrate our *Hydrofiller* energy storage and backup power module as part of their existing power system and 3) a national nuclear energy provider exploring energy storage applications. These opportunities for Avālenē – opportunities for export, opportunities for growth and expansion of our Connecticut-based engineering and manufacturing capabilities– are unprecedented.

I strongly support the recommendations of Connecticut Center for Advanced Technology presented in today's testimony, urging the Committee to use this opportunity to include provisions to encourage the use of high efficiency transportation, which accounts for approximately 27 percent of the energy delivered in the United States. Specifically:

Sec. 46 – implement a transportation infrastructure program to support high efficiency transportation and alternative fuel vehicles, including natural gas, hydrogen fueled, and electric vehicles.

Sec. 48 and 49 – Include a provision for the use of high efficiency transportation and alternative fuels within the energy procurement plan.

Sec. 56 - The funds which would be used to support the development of renewable energy, should be made applicable to all renewable technologies.

Sec. 62 – Clarify this section to include transportation markets.

Sec. 63 - Strongly support this provision to *provide an additional incentive for technologies manufactured in the state* as an initiative to bolster the Connecticut job market.

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Sec. 66 – Support this provision for a procurement plan, but suggest consideration to address other energy markets, including hydrogen.

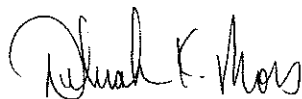
Sec. 78 and 79 - Support this initiative as a comprehensive measure that is technology neutral and targeted to an appropriate end use. Include a provision for the use of high efficiency transportation and alternative fuels within the energy procurement plan.

Sec. 80 (24) – Recognize CCAT as a resource to further the purposes the corporation. CCAT is a contractor to the U.S. Department of Energy, the Small Business Administration, the Connecticut Department of Economic and Community Development, and has worked with the Connecticut Departments of Environment and Public Utility Control and the Connecticut Siting Council. CCAT supports the efforts of the Connecticut Academy of Science and Engineering.

Sec. 93 – Support this process and suggest additional flexibility to consider hydrogen, electrochemical energy storage, and fuel processing.

Again, thank you for your dedicated leadership and vital support that will benefit all Connecticut residents as we transition to clean, domestic energy infrastructure.

Sincerely,

A handwritten signature in black ink, appearing to read "Deborah K. Moss". The signature is fluid and cursive, with the first name being the most prominent.

Deborah Moss
Chair, Founder